



**Solicitation Information**  
**April 15, 2015**

**RFP# 7549502**

**TITLE: Health Physics Instrumentation**

**Submission Deadline: Wednesday, May 13, 2015 at 11:00 AM (Eastern Time)**

**PRE-BID/ PROPOSAL CONFERENCE: No**

**DATE:**

**LOCATION:**

Questions concerning this solicitation must be received by the Division of Purchases at [david.francis@purchasing.ri.gov](mailto:david.francis@purchasing.ri.gov) no later than **Wednesday, April 22, 2015 at 10:00 AM (ET)**. Questions should be submitted in a *Microsoft Word attachment*. Please reference the RFP# on all correspondence. Questions received, if any, will be posted on the Internet as an addendum to this solicitation. It is the responsibility of all interested parties to download this information.

**SURETY REQUIRED: No**

**BOND REQUIRED: No**

**David J. Francis**  
**Interdepartmental Project Manager**

Applicants must register on-line at the State Purchasing Website at [www.purchasing.ri.gov](http://www.purchasing.ri.gov) .

**Note to Applicants:**

Offers received without the entire completed three-page RIVIP Generated Bidder Certification Form attached may result in disqualification.

**THIS PAGE IS NOT A BIDDER CERTIFICATION FORM**

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## **SECTION 1: INTRODUCTION**

The Rhode Island Department of Administration/Division of Purchases, on behalf of the Rhode Island Atomic Energy Commission (RIAEC), is soliciting proposals from qualified firms to update and expand upon its existing area, air and personnel radiation monitoring systems for its research reactor, in accordance with the terms of this Request for Proposals and the State's General Conditions of Purchase, which may be obtained at the Rhode Island Division of Purchases Home Page by Internet at [www.purchasing.ri.gov](http://www.purchasing.ri.gov).

This is a one-time contract to provide the equipment needed along with installation, start-up and training for RINSC personnel. The work should be completed within 6 months of the award of the contract.

This is a Request for Proposals, not an Invitation for Bid. Responses will be evaluated on the basis of the relative merits of the proposal, in addition to price; there will be no public opening and reading of responses received by the Division of Purchases pursuant to this Request, other than to name those offerors who have submitted proposals.

### **INSTRUCTIONS AND NOTIFICATIONS TO OFFERORS:**

1. Potential vendors are advised to review all sections of this RFP carefully and to follow instructions completely, as failure to make a complete submission as described elsewhere herein may result in rejection of the proposal.
2. Alternative approaches and/or methodologies to accomplish the desired or intended results of this procurement are solicited. However, proposals which depart from or materially alter the terms, requirements, or scope of work defined by this RFP will be rejected as being non-responsive.
3. All costs associated with developing or submitting a proposal in response to this RFP, or to provide oral or written clarification of its content shall be borne by the vendor. The State assumes no responsibility for these costs.
4. Proposals are considered to be irrevocable for a period of not less than 60 days following the opening date, and may not be withdrawn, except with the express written permission of the State Purchasing Agent.
5. All pricing submitted will be considered to be firm and fixed unless otherwise indicated herein.
6. Proposals misdirected to other state locations, or which are otherwise not present in the Division at the time of opening for any cause will be determined to be late and will not be considered. For the purposes of this requirement, the official time and date shall be that of the time clock in the reception area of the Division.
7. It is intended that an award pursuant to this RFP will be made to a prime vendor, or prime vendors in the various categories, who will assume responsibility for all

aspects of the work. Joint venture and cooperative proposals will not be considered. Subcontracts are permitted, provided that their use is clearly indicated in the vendor's proposal and the subcontractor(s) to be used is identified in the proposal.

8. All proposals should include the vendor's FEIN or Social Security number as evidenced by a W9, downloadable from the Division's website at [www.purchasing.ri.gov](http://www.purchasing.ri.gov).
9. The purchase of services under an award made pursuant to this RFP will be contingent on the availability of funds.
10. Vendors are advised that all materials submitted to the State for consideration in response to this RFP will be considered to be Public Records as defined in Title 38, Chapter 2 of the General Laws of Rhode Island, without exception, and will be released for inspection immediately upon request once an award has been made.
11. Interested parties are instructed to peruse the Division of Purchases website on a regular basis, as additional information relating to this solicitation may be released in the form of an addendum to this RFP.
12. Equal Employment Opportunity (G.L. 1956 § 28-5.1-1, et seq.) – § 28-5.1-1  
Declaration of policy – (a) Equal opportunity and affirmative action toward its achievement is the policy of all units of Rhode Island state government, including all public and quasi-public agencies, commissions, boards and authorities, and in the classified, unclassified, and non-classified services of state employment. This policy applies to all areas where State dollars are spent, in employment, public services, grants and financial assistance, and in state licensing and regulation.
13. In accordance with Title 7, Chapter 1.2 of the General Laws of Rhode Island, no foreign corporation, a corporation without a Rhode Island business address, shall have the right to transact business in the State until it shall have procured a Certificate of Authority to do so from the Rhode Island Secretary of State (401-222-3040). This is a requirement only of the successful vendor(s).
14. The vendor should be aware of the State's Minority Business Enterprise (MBE) requirements, which address the State's goal of ten percent (10%) participation by MBE's in all State procurements. For further information visit the website [www.mbe.ri.gov](http://www.mbe.ri.gov)
15. Under HIPAA, a "business associate" is a person or entity, other than a member of the workforce of a HIPAA covered entity, who performs functions or activities on behalf of, or provides certain services to, a HIPAA covered entity that involves access by the business associate to HIPAA protected health information. A "business associate" also is a subcontractor that creates, receives, maintains, or transmits HIPAA protected health information on behalf of another business associate. The HIPAA rules generally require that HIPAA covered entities and business associates enter into contracts with their business associates to ensure that the business associates will appropriately safeguard

HIPAA protected health information. Therefore, if a Contractor qualifies as a business associate, it will be required to sign a HIPAA business associate agreement

16. In order to perform the contemplated services related to the Rhode Island Health Benefits Exchange (HealthSourceRI), the vendor hereby certifies that it is an “eligible entity,” as defined by 45 C.F.R. § 155.110, in order to carry out one or more of the responsibilities of a health insurance exchange. The vendor agrees to indemnify and hold the State of Rhode Island harmless for all expenses that are deemed to be unallowable by the Federal government because it is determined that the vendor is not an “eligible entity,” as defined by 45 C.F.R. § 155.110.

## **SECTION 2: BACKGROUND**

The Rhode Island Nuclear Science Center (RINSC) serves as the headquarters for the Rhode Island Atomic Energy Commission (RIAEC). Located on the University of Rhode Island's Bay campus, the RINSC is the home of Rhode Island's sole nuclear reactor.

The RINSC reactor was built in 1960 and went critical in 1964. It is a 2 Mega-Watt, light water cooled, pool type reactor. For over 50 years it has provided valuable data to researchers and students. Over 100 graduate degrees have been awarded for research conducted at the RINSC. Research areas include, Physics, Engineering, Biology, and Atmospheric Chemistry

### **Authority to Bill for Services**

RIAEC received a federal grant from the Department of Energy through the Nuclear Energy University Programs (NEUP) Scientific Infrastructure Support for Consolidated Innovative Nuclear Research Program to make these upgrades. The following is a link to the NEUP website:

[https://inlportal.inl.gov/portal/server.pt/community/neup\\_home/600](https://inlportal.inl.gov/portal/server.pt/community/neup_home/600)

### **Specific Requirements**

The vendor must be able to provide the needed equipment within 6 months of the award of the contract.

## **SECTION 3: SCOPE OF WORK**

### **General Scope of Work**

This contract is to provide the needed equipment to upgrade our area, personnel and air monitoring systems as well as equipment installation, start-up and training on the new

equipment being provided. The new equipment must be compatible with the regulations under which the reactor operates, namely Title 10 of the Code of Federal Regulations.

## **Specific Activities / Tasks**

### **Equipment Needed**

1. The RIAEC is requesting the following equipment in order to complete this upgrade in accordance with the DOE grant:
  - a. DRM-2E area radiation monitoring system consists of a variety of widely used COTS components, which meet the more demanding environmental conditions. The system should be designed to be used for permanent installations. In addition, it should be a wireless network system comprised of:
    - i. (1) WR2 900MHz Base Station,
    - ii. (11) DRM-2E Area Gamma Monitoring Channel
      1. DRM-2E dual GM detector
      2. External probe,
      3. Detector mounting clip,
      4. Control Unit (CU), with integrated radio, backup battery and mounting bracket,
      5. Cable; CU-Detector, 25 feet,
      6. Cable; 2m AC Power,
    - iii. (11) DRM-2E Area Neutron Monitoring Channel
      1. DRM-2E 42-41L Prescila detector
      2. External probe,
      3. Detector mounting clip,
      4. Control Unit (CU), with integrated radio, backup battery and mounting bracket,
      5. Cable; CU-Detector, 25 feet,
      6. Cable; 2m AC Power,
    - iv. (1) Calibration/ System Software Support CD Disk,
    - v. (1) Set Manual Documentation.

The control unit a microprocessor-based central processing unit, and is the local display point of each channel of the system. It should receive data from the External Detector Probe. The CU should also consist of two top panel mounted visual indicator beacons (green for normal operation and red for alarms or faults) and a speaker for audible alarm notification. The bottom panel of the CU should consist of locking connectors for connectivity to the External Detector Probe and AC Power. A rocker-type switch for engaging or disengaging the internal back-up battery should be present on the bottom panel. Each unit should incorporate a WRM2 900MHz radio (FHSS) for wireless networking communication to a WRM2 Base Receiver.

- b. NGM-209 M Noble Gas Monitor

- i. It should be a movable monitor. It should be designed to continuously monitor, quantify and alert for the presence of  $\beta$  radioactive noble gas in ducts or in the atmosphere of nuclear facilities. This monitor should compensate the measurement for externally induced  $\gamma$  fields.
  - ii. A RAMSYS wireless communication module should be included to communicate with the WRM2 Base Receiver, included with the DRM-2E area monitor wireless solution. The monitor should be supplied pre-assembled and calibrated for simple installation and startup. Installation options should include wall mounting for permanent installation and wheels for portable installations. No special support equipment should be needed for operation of this device aside from those required for calibration purposes. The unit should be provided with source fixture and 100 uCi (Cs-137) source for calibration purposes.
- c. ABPM-203M Alpha/Beta Particle Air Monitor
  - i. It should function as a contamination surveillance monitor. It should serve to continuously monitor the  $\alpha$  and  $\beta$  volumetric activity of airborne particulates in the atmosphere of nuclear installations. The monitor should compensate the measurement for naturally occurring radioactivity (Radon) and for externally induced  $\gamma$  fields. It should display volumetric activity measured in units selected by the operator and it must generate visual and audible alarms whenever the threshold levels are exceeded.
  - ii. A dual silicon detector should perform the gamma compensation and a radial fin grid limits the scattering of the alpha particles (static compensation of the radon and thoron solid progenies by the processing algorithms (dynamic compensation). A RAMSYS wireless communication module must be included to communicate with the WRM2 Base Receiver, included with the DRM-2E area monitor wireless solution. The monitor should be supplied pre-assembled and calibrated for simple installation and startup. Installation options include wall mounting for permanent installation and wheels for portable installations. No special support equipment should be needed for operation of this device aside from those required for calibration purposes. The unit is provided with source holder and source for Beta (Tc-99) Model SC34, and a source holder and source for Alpha (Am-241) Model SC35, for calibration purposes.

## 2. Training

- a. The vendor must provide on-site training at RINSC for RINSC personnel to be familiarized with all equipment functions, maintenance, data administration, and basic troubleshooting. This training should take place within one month after installation and demonstration of performance specifications. The associated training by an SME for each area monitoring system should be included within the individual pricing for each of the area monitoring options. The pricing for the SME training for the Noble Gas and Alpha/Beta Particle Air Monitors can be quoted separately, but combined since the same individual will support both, and expected to take (2) days. Training should include all travel expenses.

3. Warranty

- a. The warranty period for all of the equipment purchased shall be a minimum of one year.

**SECTION 4: TECHNICAL PROPOSAL**

Narrative and format: The separate technical proposal should address specifically each of the required elements:

1. Equipment

- a. RINSC has a current interest to update and expand upon its existing area, air and personnel radiation monitoring systems for its research reactor. This update includes both gamma and neutron area radiation monitors, and air and noble gas monitoring systems. Overall, this equipment will ensure ease of operation, configuration with alarms, data recording and historical data access, system support and maintainability by RINSC personnel. Currently, the RINSC reactor control room incorporates an OPTO 22 integrated I/O control system to display and data log a variety of real-time measurements and alarm status from approximately (10) existing radiation monitoring channels. This system is to be retained, whereby, approximately (5) existing channels shall remain and any new monitoring equipment will be added to it. The vendor should work closely with RINSC to facilitate the systems integration, providing the necessary communication protocols, intermediate 'bridge' software(s), and associated technical support as needed. RINSC desires to use 11 DRM-2E system which allows for the use of a wireless network. The (2) proposed Noble Gas Monitors are the NGM-209M Mobile Low Range Noble Gas Monitor. These units are specifically developed to provide highly reliable air sample measurements. They are designed to operate as stand-alone monitors and can be supported via a wired or wireless network configuration. The proposed Alpha/Beta Particle Air Monitor is nearly identical to the Noble Gas Monitor above, providing reliable, stable, and accurate radiation measurements within an easily installed, simple operation and minimal maintenance platform. Its commonality of hardware and electronics with the NGM-209M above, supports the same networking options, minimizes spares expense, long-term service and maintenance support.
2. Capability, Capacity, and Qualifications of the Offeror - Please provide a detailed description of the Vendor's experience. A list of relevant client references must be provided, to include client names, addresses, phone numbers, dates of service and type(s) of service(s) provided.
3. Work plan - Please describe in detail, the timeframe in which the project will be completed.



## **SECTION 5: COST PROPOSAL**

Detailed Budget and Budget Narrative:

Provide a proposal for fees charged for the equipment and training.

## **SECTION 6: EVALUATION AND SELECTION**

Proposals will be reviewed by a Technical Review Committee comprised of staff from state agencies. To advance to the Cost Evaluation phase, the Technical Proposal must receive a minimum of 60 (85.7%) out of a maximum of 70 technical points. Any technical proposals scoring less than 60 points will not have the cost component opened and evaluated. The proposal will be dropped from further consideration.

Proposals scoring 60 technical points or higher will be evaluated for cost and assigned up to a maximum of 30 points in cost category, bringing the potential maximum score to 100 points.

The RIAEC reserves the exclusive right to select the individual(s) or firm (vendor) that it deems to be in its best interest to accomplish the project as specified herein; and conversely, reserves the right not to fund any proposal(s).

Proposals will be reviewed and scored based upon the following criteria:

<b>Criteria</b>	<b>Possible Points</b>
Equipment	30 Points
Capability, Capacity, and Qualifications of the Offeror	25 Points
Quality of the Work plan	15 Points
<b>Total Possible Technical Points</b>	<b>70 Points</b>
Cost calculated as lowest responsive cost proposal divided by (this cost proposal) times 30 points *	30 Points
<b>Total Possible Points</b>	<b>100 Points</b>

\*The Low bidder will receive one hundred percent (100%) of the available points for cost. All other bidders will be awarded cost points based upon the following formula:

$$(\text{low bid} / \text{vendors bid}) * \text{available points}$$

For example: If the low bidder (Vendor A) bids \$65,000 and Vendor B bids \$100,000 for monthly cost and service fee and the total points available are Thirty (30), vendor B's cost points are calculated as follows:

$\$65,000 / \$100,000 * 30 = 19.5$

Points will be assigned based on the offeror's clear demonstration of his/her abilities to complete the work, apply appropriate methods to complete the work, create innovative solutions and quality of past performance in similar projects.

Applicants may be required to submit additional written information or be asked to make an oral presentation before the technical review committee to clarify statements made in their proposal.

## **SECTION 7: PROPOSAL SUBMISSION**

Questions concerning this solicitation may be e-mailed to the Division of Purchases at [david.francis@purchasing.ri.gov](mailto:david.francis@purchasing.ri.gov) no later than the date and time indicated on page one of this solicitation. Please reference **RFP # 7549502** on all correspondence. Questions should be submitted in a Microsoft Word attachment. Answers to questions received, if any, will be posted on the Internet as an addendum to this solicitation. It is the responsibility of all interested parties to download this information. If technical assistance is required to download, call the Help Desk at (401) 574-9709.

Offerors are encouraged to submit written questions to the Division of Purchases. **No other contact with State parties will be permitted.** Interested offerors may submit proposals to provide the services covered by this Request on or before the date and time listed on the cover page of this solicitation. Responses received after this date and time, as registered by the official time clock in the reception area of the Division of Purchases will not be considered.

Responses (**an original plus four (4) copies**) should be mailed or hand-delivered in a sealed envelope marked "**RFP# 7549502 Health Physics Instrumentation**:" to:

RI Dept. of Administration  
Division of Purchases, 2nd floor  
One Capitol Hill  
Providence, RI 02908-5855

NOTE: Proposals received after the above-referenced due date and time will not be considered. Proposals misdirected to other State locations or those not presented to the Division of Purchases by the scheduled due date and time will be determined to be late and will not be considered. Proposals faxed, or emailed, to the Division of Purchases will not be considered. The official time clock is in the reception area of the Division of Purchases.

## **RESPONSE CONTENTS**

Responses shall include the following:

1. One completed and signed three-page R.I.V.I.P generated bidder certification cover sheet (included in the original copy only) downloaded from the RI Division of Purchases Internet home page at [www.purchasing.ri.gov](http://www.purchasing.ri.gov).

2. One completed and signed W-9 (included in the original copy only) downloaded from the RI Division of Purchases Internet home page at [www.purchasing.ri.gov](http://www.purchasing.ri.gov).
3. **A separate Technical Proposal** describing the qualifications and background of the applicant and experience with and for similar projects, and all information described earlier in this solicitation. The Technical Proposal is limited to six (6) pages (this excludes any appendices) . As appropriate, resumes of key staff that will provide services covered by this request.
4. **A separate, signed and sealed Cost Proposal** reflecting the proposed costs to complete all of the requirements of this project.
5. In addition to the multiple hard copies of proposals required, Respondents are requested to provide their proposal in **electronic format (CD-Rom, disc, or flash drive)**. Microsoft Word / Excel OR PDF format is preferable. Only 1 electronic copy is requested and it should be placed in the proposal marked "original".

## CONCLUDING STATEMENTS

Notwithstanding the above, the State reserves the right not to award this contract or to award on the basis of cost alone, to accept or reject any or all proposals, and to award in its best interest.

Proposals found to be technically or substantially non-responsive at any point in the evaluation process will be rejected and not considered further.

The State may, at its sole option, elect to require presentation(s) by offerors clearly in consideration for award.

The State's General Conditions of Purchase contain the specific contract terms, stipulations and affirmations to be utilized for the contract awarded to the RFP. The State's General Conditions of Purchases/General Terms and Conditions can be found at the following URL: <https://www.purchasing.ri.gov/RIVIP/publicdocuments/ATTA.pdf> .